INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/004565

		101/024	
A. CLASSIFIC. Int.Cl ⁷	ATION OF SUBJECT MATTER F16C19/38, 33/46		-
According to Inte	rnational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SEA	ARCHED		
Minimum docum	entation searched (classification system followed by clas F16C19/00-19/56, 33/38-33/56	sification symbols)	
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	earched other than minimum documentation to the exten	that such documents are included in the	fields searched
Documentation s	Chinan Voho 1922-1996 TOI	OKU DICSUVO SIMILAI IKIIO	#55 = = = 1
Kokai Ji	tsuyo Shinan Koho 1971-2004 Jit	suyo Shinan Toroku Koho	1996–2004
Electronic data b	ase consulted during the international search (name of da	ta base and, where practicable, search ter	rms used)
C DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.
Category*	US 4895461 A (THE TORRINGTON		1-6
A	23 January, 1990 (23.01.90),		
	& GB 2226607 A & DE	4000079 A1 2-190609 A	
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A	Microfilm of the specification annexed to the request of Jap	n and drawings anese Utilitv	, 12.
	Model Application No. 195170/	1987 (Laid-open	•
	No. 98917/1989)		
	(Koyo Seiko Co., Ltd.), 03 July, 1989 (03.07.89),		
	(Family: none)		
× Further d	ocuments are listed in the continuation of Box C.	See patent family annex.	
* Special cate	egories of cited documents: defining the general state of the art which is not considered	"T" later document published after the indate and not in conflict with the applithe principle or theory underlying the	cation but cited to directsume
to be of par	rticular relevance lication or patent but published on or after the international	"X" document of particular relevance; the	claimed invention cannot be idered to involve an inventive
filing date	which may throw doubts on priority claim(s) or which is	step when the document is taken alon	е
cited to es	son (as specified)	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other suc	s eren when the document to
"O" document	referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than	being obvious to a person skilled in the	ne arı
"P" document the priority	y date claimed	"&" document member of the same patent	
Date of the con	ual completion of the international search	Date of mailing of the international sea	arch report
09 Jul	Ly, 2004 (09.07.04)	03 August, 2004 (0	13.08.04)
Name and mail	ing address of the ISA/	Authorized officer	
Name and mailing address of the ISA/ Japanese Patent Office			
Facsimile No.	0004	Telephone No.	
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 93380/1978 (Laid-open No. 9974/1980) (NTN Toyo Bearing Co., Ltd.), 22 January, 1980 (22.01.80), (Family: none)	
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